

(No Model.)

R. WELLING. CESSPOOL VALVE.

No. 477,977.

Patented June 28, 1892.

FIG. 1.

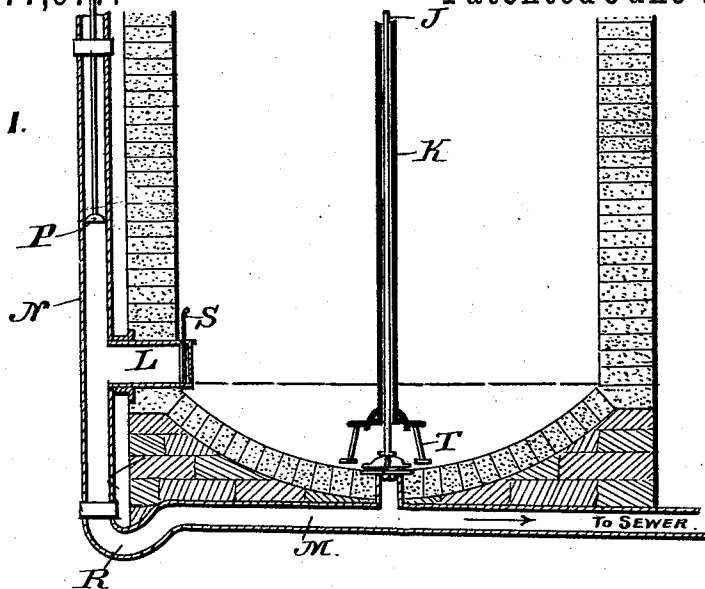


FIG. 2.

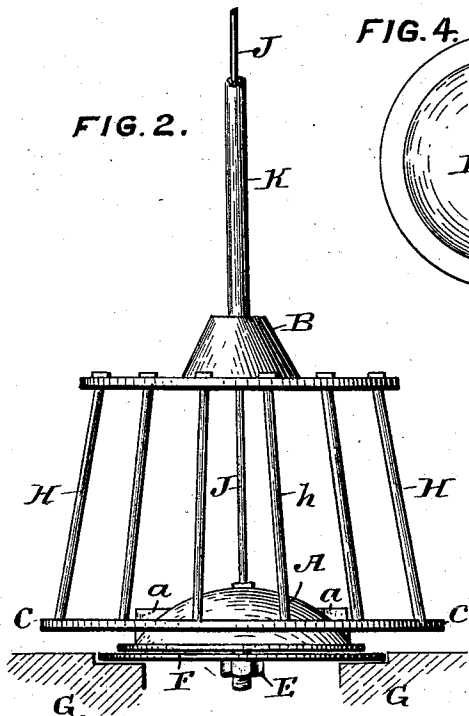


FIG. 4.

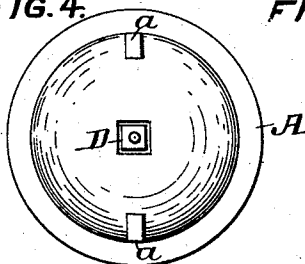


FIG. 3.

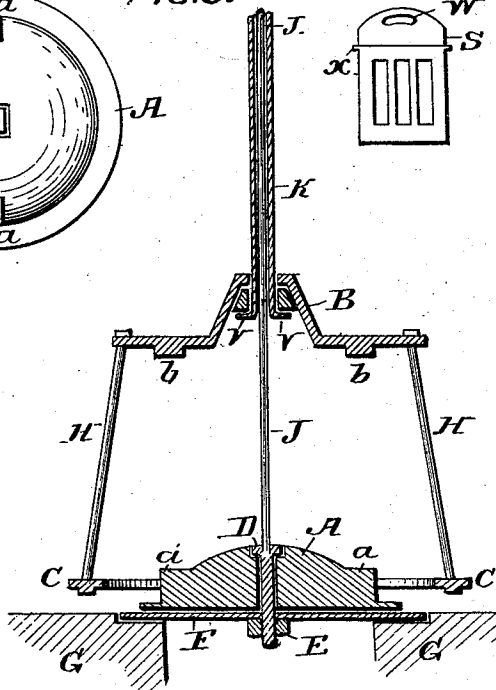
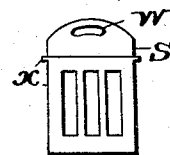


FIG. 5.



ATTEST.

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UNITED STATES PATENT OFFICE.

ROBERT WELLING, OF COVINGTON, KENTUCKY.

CESSPOOL-VALVE.

SPECIFICATION forming part of Letters Patent No. 477,977, dated June 28, 1892.

Application filed February 17, 1892. Serial No. 421,858. (No model.)

To all whom it may concern:

Be it known that I, ROBERT WELLING, of Covington, Kenton county, Kentucky, have invented a new and useful Improvement in Cesspool-Valves or Catch-Basin Trimmings, of which the following is a specification.

My invention relates to improvements in valves for cesspool or catch-basins for water-closets and in the general arrangement of the parts forming the construction of such cesspool or catch-basins.

The objects of my improvement are, first, to provide an adjustable basket or interstitial valve to a cesspool or catch-basin that in case of any paper or other such obstructions clogging the free passage of the water through the said basket-valve the said valve or parts thereof can be raised and twirled or given a horizontal revolving motion to free it of such obstructions; second, in affording facilities for the adjustment of the grating of the vertical overflow-pipe; third, in fixing the vertical overflow-pipe outside of the cesspool or catch-basin, thereby improving the construction, avoiding filth, and increasing the facilities and economy in repairs. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 represents a section of the lower parts of the cesspool or catch-basin; Fig. 2, an elevation of the valve; Fig. 3, a section of the valve; Fig. 4, a top view of the bottom part of the valve; Fig. 5, a front view of the grating for the overflow.

Similar letters refer to similar parts throughout the several views.

A is the valve proper. It will have a hole in its center with a square recess on top. The pin D will fit in the same and pass through it and will secure the gasket F to its lower part by the aid of the nut E. The whole will fit close in the socket G of the sewer-pipe.

a a are lugs cast on the top of the valve A, so that when said valve is raised they will mesh with the lugs or projections b b, cast on the bottom of the top or crown B of the basket-valve, and by twisting or twirling the rod J the whole of the basket-valve will have a horizontal or rotary motion to free it of any obstruction.

C is the outside and lower ring of the bas-

ket-valve. It will be fixed a little above the bottom of the cesspool. The rods H are fitted to it and the top plate B. They will form the interstitial or basket part of the valve. Three or four of those rods will be fastened, as shown at h. The rod J will be fastened in bolt D below and will pass through the gas-pipe K, through the seat-board above, and have a proper handle. The gas-pipe K will be rigidly fixed and fastened to the seat-board of the water-closet and below by a swivel v v, so that the crown or top plate B can turn easily around it when twirled. The said gas-pipe will form a rigid guide for the rod J in adjusting and twirling the valve. L is a horizontal iron overflow-pipe. The part resting on the brick-work is made square in section and cylindrical where it fits in the T-piece of the vertical outside overflow-pipe N. The square and inside part of this horizontal overflow-pipe will be fitted up with a removable grating S, having two small lugs x x, one on each side, and having a hole W on top, so that it can be taken out and replaced when needed by means of a hook in the hands of an operator and used from above without going into the cesspool. M is the sewer, P a plunger, and R a trap. T represents a section of the basket-valve in position. The top of the outside overflow vertical pipe will come up within a few inches of the surface and will be covered by a grating and be easy of access when it is desired to clean the trap by means of the plunger.

What I claim is—

In a cesspool or catch-basin, the combination of the following elements: the valve-plate A, having the lugs a a, the square-headed pin D, gasket F, secured by the nut E to fit close in socket G, the rod J, fastened to pin D and passing through the gas-pipe K, that is fastened above to the seat and by a swivel to the under part of plate B, so that when said rod J is raised the lugs a a will mesh in lugs b b of the plate B, hence the rods H, fixed in ring C and plate B, can be rotated horizontally to free it of obstructions, substantially as shown and described.

ROBERT WELLING.

Witnesses:

BURT LYON,
WALTER NANT.